

CLAIMS

1. A method of manufacturing a color cathode-ray tube, comprising the steps of:

applying a sol containing a material, which is to form an oxide, in a colloidal state on a conductive reflecting film on a phosphor screen of an inner surface of a panel; and

baking the sol to form a heat absorbing film made of the oxide on said conductive reflecting film.

2. A method of manufacturing a color cathode-ray tube according to claim 1, wherein at least one member selected from a group consisting of silicon, manganese, aluminum and tin antimonide is used as the material.

3. A method of manufacturing a color cathode-ray tube according to claim 2, wherein the sol dispersed with fine carbon powder is used.

4. A color cathode-ray tube in which a heat absorbing film made of an oxide is formed on a conductive reflecting film on a phosphor screen of an inner surface of a panel by applying and baking a sol containing a material, which is to form the oxide, in a colloidal state.

5. A color cathode-ray tube according to claim 4, wherein the material is at least one member selected from a group consisting of silicon, manganese,

aluminum and tin antimonide.

6. A color cathode-ray tube according to claim 5, wherein the sol is dispersed with the fine carbon powder.